

Tactical Water Purification System (TWPS)

DESCRIPTION

The Tactical Water Purification System (TWPS) – once named the Enhanced Reverse Osmosis Water Purification Unit (EROWPU) – is a skid-mounted, generator-powered system. TWPS is capable of producing potable water from any available raw water source at a rate of 1,200 to 1,500 gallons of water per hour (GPH) in expeditionary environments. The system will replace the aging 600 gallons-per-hour ROWPUs at a 1 to 2 ratio.

OPERATIONAL IMPACT

Water production in an expeditionary setting is particularly critical to Marine Corps operations. The TWPS will be used in the purification of salt water in over 75 percent of USMC operations. This capability provides the commander with options that will not tie down forces to specific locations or having to rely on host-nation support. The large volumes of water that TWPS can produce will provide Marine forces with fresh drinking and laundry water as well as water to conduct decontamination after a nuclear, biological or chemical incident.

PROGRAM STATUS

The current authorized acquisition objective is 243 units. Initial procurement is scheduled for FY 2006.

PROCUREMENT PROFILE:

The Procurement Profile is under development.

DEVELOPER/MANUFACTURER

SFA Inc. Frederick Manufacturing Division, Frederick, MD